

```
include <iostream>
using namespace std;
```

```
int main()
```

```
const int N = 500 + 1;
```

```
int n, q, x, ans[N];
```

```
for (int i = 0; i < N; i++)
```

```
cin >> n;
```

```
for (int i = 0; i < n; i++)
```

```
{
```

```
    cin >> x;
```

```
    ans[x] = i;
```

```
}
```

```
int num;
```

```
cin >> q;
```

```
while (q--)
```

```
{
```

```
    cin >> num;
```

```
    cout << ans[num] << endl;
```

```
}
```

```
return 0;
```

```
#include <iostream>
using namespace std;

int main()
{
    int n, q, a[200];

    cin >> n;
    for (int i = 0; i < n; i++)
        cin >> a[i];

    cin >> q;
    while (q--)
    {
        int num;
        cin >> num;

        int pos = -1;

        for (int i = n - 1; i >= 0; --i)
        {
            if (a[i] == num)
            {
                pos = i;
                break;
            }
        }
        cout << pos << "\n";
    }
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main()
{
    const int N = 500 + 1;
    int n, q, x, ans[N];

    for (int i = 0; i < N; i++)
        cin >> n;
    for (int i = 0; i < n; i++)
    {
        cin >> x;
        ans[x] = i;
    }
    int num;
    cin >> q;
    while (q--)
    {
        cin >> num;
        cout << ans[num] << endl;
    }
    return 0;
}
```

```
#include <iostream>
using namespace std;

int main()
{
    const int N = 100;
    int n, a[N], mn = 10000, mx = -1;
    cin >> n;
    for (int i = 0; i < n; i++)
    {
        cin >> a[i];
        if (a[i] < mn)
        {
            mn = a[i];
        }
        if (a[i] > mx)
        {
            mx = a[i];
        }
    }

    for (int i = 0; i < n; i++)
    {
        if (a[i] == mn)
            a[i] = mx;
        else if (a[i] == mx)
            a[i] = mn;
    }

    for (int i = 0; i < n; i++)
    {
        if (i)
            cout << " ";
        cout << a[i];
    }

    return 0;
}
```

```
int main()
```

```
int n, tmp, mn[3];
cin >> n;
for (int i = 0; i < n; i++)
{
    int value;
    cin >> value;
    if (i < 3)
        mn[i] = value;
    else
    {
        int mx_pos = 0;
        for (int j = 1; j < 3; ++j)
        {
            if (mn[mx_pos] < mn[j])
                mx_pos = j;
        }

        if (value < mn[mx_pos])
            mn[mx_pos] = value;
    }
}

int mx_pos = 0;
for (int j = 1; j < 3; ++j)
{
    if (mn[mx_pos] < mn[j])
        mx_pos = j;
}
```

```
p = mn[2];  
[2] = mn[mx_pos];  
[mx_pos] = tmp;  
(mn[0] > mn[1])  
  
tmp = mn[0];  
mn[0] = mn[1];  
mn[1] = tmp;  
  
r(int i = 0; i < 3; i++)  
cout << mn[i] << "  
";  
  
turn 0;
```

```
include <iostream>
using namespace std;

int main()

const int N = 200;

int n, a[N];

cin >> n;
for (int i = 0; i < n; i++)
    cin >> a[i];

int mn;
bool first_time = true;

for (int i = 0; i < n; i++)
{
    for (int j = i + 1; j < n; j++)
    {
        int tmp = a[i] + a[j] + j - i;
        if (first_time || tmp < mn)
        {
            mn = tmp;
            first_time = false;
        }
    }
}

cout << mn << endl;
return 0;
```

```
include <iostream>
using namespace std;

int main()
{
    // The size of the array should be larger than
    // the maximum value of N
    int arr[1000];

    int N;
    cin >> N;

    for (int i = 0; i < N; i++)
        cin >> arr[i];

    for (int i = 0; i < N / 2; i++)
    {
        if (arr[i] != arr[N - 1 - i])
        {
            cout << "NO";
            return 0;
        }
    }

    cout << "YES";
    return 0;
}
```



```
{
    int n;
    cin >> n;
    const int MAX = 270 + 500 + 1;
    int frequency[MAX] = {0};

    for (int i = 0; i < n; i++)
    {
        int value;
        cin >> value;

        value += 500;
        frequency[value]++;
    }

    int mx_pos = 0;
    for (int i = 1; i < MAX; i++)
    {
        if (frequency[mx_pos] < frequency[i])
            mx_pos = i;
    }
}
```

```
using namespace std;

int main()
{
    int n, x, occurrence[10] = {0};

    cin >> n;

    while (int i = 0; i < n; i++)
    {
        cin >> x;

        while (x)
        {
            int digit = x % 10;
            occurrence[digit]++;
            x /= 10;
        }

        (int i = 0; i <= 9; i++)

        cout << i << " " << occurrence[i] <<
```

```
#include <iostream>
using namespace std;

int main()
{
    const int N = 201;
    int sequence[N], indx;

    int occurrence[N * 10] = {0};

    while (n >> indx;
           sequence[0] = 0;
           occurrence[0] = 1;

           for (int i = 1; i <= indx; i++)

               int cur = sequence[i - 1] - (i - 1) - 1;

               if (cur < 0 || occurrence[cur])
                   cur = sequence[i - 1] + (i - 1) + 1;

               sequence[i] = cur;
               occurrence[cur] = 1;

           )
    {
        cout << sequence[indx];
        return 0;
    }
}
```